Problems on Clock

II EXERCISES II

1. An accurate clock shows 7 : 15 a.m. , through how may degrees will the hour hand rotate when the clock shows 2 : 45 p.m.?
1) 144° 2) 150° 3) 225° 4) 168° 5) None of these

2. How many times in a day, the hands of a clock are straight?
1) 22 2) 24 3) 44 4) 48 5) None of these

3. It is between 4 P.M. and 5 P.M. and the angle between the hour and the minute hand of clock is 10°. What time does the clock show?
1) 4.10 pm 2) 4.15 pm 3) 4.20 pm 4) 4.25 pm 5) 4.15 pm

4. It is between 1 A.M. and 2 A.M. and the angle between the hour and the minute hand of clock is 135°. What time does the clock show?
1) 1.25 am 2) 1.30 am 3) 1.35 am 4) 1.40 am 5) 1.45 am

5. At what angle will the pointers be inclined at 2hr 15 min?
1) 200° 2) 207° 3) 209° 4) 215° 5) None of these

6. The angle between the minute hand and the hand of a clock when the time is 5.30, is
1) 11° 2) 13° 3) 15° 4) 18° 5) 20°

7. If a clock strikes six in 30 seconds, then it will strike 12 in how many seconds?
1) 50 sec 2) 60 sec 3) 65 sec 4) 66 sec 5) 69 sec

8. At what time between 5 and 6 O' clock are the hands of a clock 3 minute spaces apart?
1) 10min 2) 12min 3) 13min 4) 14min 5) 24min

9. A watch gains 10 seconds in 6 minutes and was set right at 9 AM. What time will it show at 11 PM on the same day ?
1) 11 : 27 : 41 AM 2) 9: 51 : 04 AM 3) 10 : 45 : 15 PM
4) 11 : 23 : 20 PM 5) 11 : 20 : 23 PM

10. A watch which gains 10 seconds in 6 minutes was set right at 9 a.m. In the afternoon of the same day, when the watch indicated quarter past 6 o'clock, the true time is:
1) 6pm 2) 7pm 3) 8pm 4) 9pm 5) 11pm

11. A clock is set right at 6 a.m. The clock loses 16 minutes in a day. What will be the true time when the clock indicates 11 p.m. on 4th day?
1) 11am 2) 12am 3) 1am 4) 2am 4) 3am

12. A Wall Clock loses 10 minutes in every 2 hours and was set right at 7am on a Sunday. When will it show the correct time again?
1) 10AM on Sunday 2) 9AM on Sunday
3) 7AM on Saturday 4) 9AM Saturday 5) 8AM on Saturday

13. Suppose a Table Clock was correct at midnight, but then it began to lose 15 minutes each hour. It now shows 6 a.m. but it stopped 5 hours ago. What is the correct time now?
1) 9.30 a.m. 2) 11 a.m. 3) 11.30 a.m 4) 1 p.m 5) 1.30 p.m.

14. A watch gains uniformly, It was 3 min slow at 7 am on Monday the 3rd May, and fast by 5 min 36sec on May 12th 6 am. When was it correct?
1) 7am 10th May 2) 8 pm 8th May 3) 10am 6th May
4) 4pm 6th May 5) 9am 7th May

15. Two clocks are set to show 10am on Monday. One clock will run 4 minutes faster in a day. The other clock will run 4 minutes slower in every 36 hours. When will both the clocks show the same time again?
1) 12:30 at night, after 100 days 2) 12 noon, after 855 days
3) 1:30 am after 120days 4) 12 am after 105days
5) 10am after 108 days www.theplanetvidya.org

16. It was between 3 and 4 o'clock; but I, mistaking the hour hand for the minute hand thought that it was 55 min later the correct time. The correct time was
1) 12 minutes past 3 2) 24 minutes past 3
3) 36 minutes past 3 4) 48 minutes past 3 5) None of these

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ANSWER

1) 225 2) 44 3) 4.20 pm 4) 1.30 am 5) 215° 6) 15° 7) 66 sec 8) 24min 9) 4) 11 : 23 : 20 PM 10) 6pm 11) 12pm 89 hrs 12) 7AM on Saturday 13) 1 p.m. 14) 9am 6th May 15) 5) 10am after 108 days 16) 17) 18) 19) 20)

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